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BSc (Hons) Computing Course 2023/24	
Level 6 Production Project	
Name: Soya Shrestha	Student I.D.: 77356846
Course: BSc (Hons) Computing	Supervisor's Name:
Final Project Individual Aim & Objectives	
Title of my Project: <b>Smart Vitals: A portable Health Monitoring System</b>	
Aim of my Project: To design and develop a portable health monitoring system that accurately measures users' vital health indicators in real-time, allowing for timely medical interventions when needed.	
Objectives of my Project: <ol style="list-style-type: none"><li>1. Study the implementation of IoT in medical field.</li><li>2. Develop a basic understanding how portable health devices are revolutionizing health management through real-time health monitoring.</li><li>3. Explore algorithms for detecting real time health vitals.</li><li>4. Gain in-depth knowledge of C/C++ programming in embedded systems and integrate these programs with sensors in a portable device to monitor heart rate, SpO<sub>2</sub>, blood pressure, and body temperature via OLED display for local access.</li></ol>	